

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078065.D
 Acq On : 22 Dec 2023 15:46
 Operator : RP/MD
 Sample : 05879-03
 Misc : 2.42G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:38:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

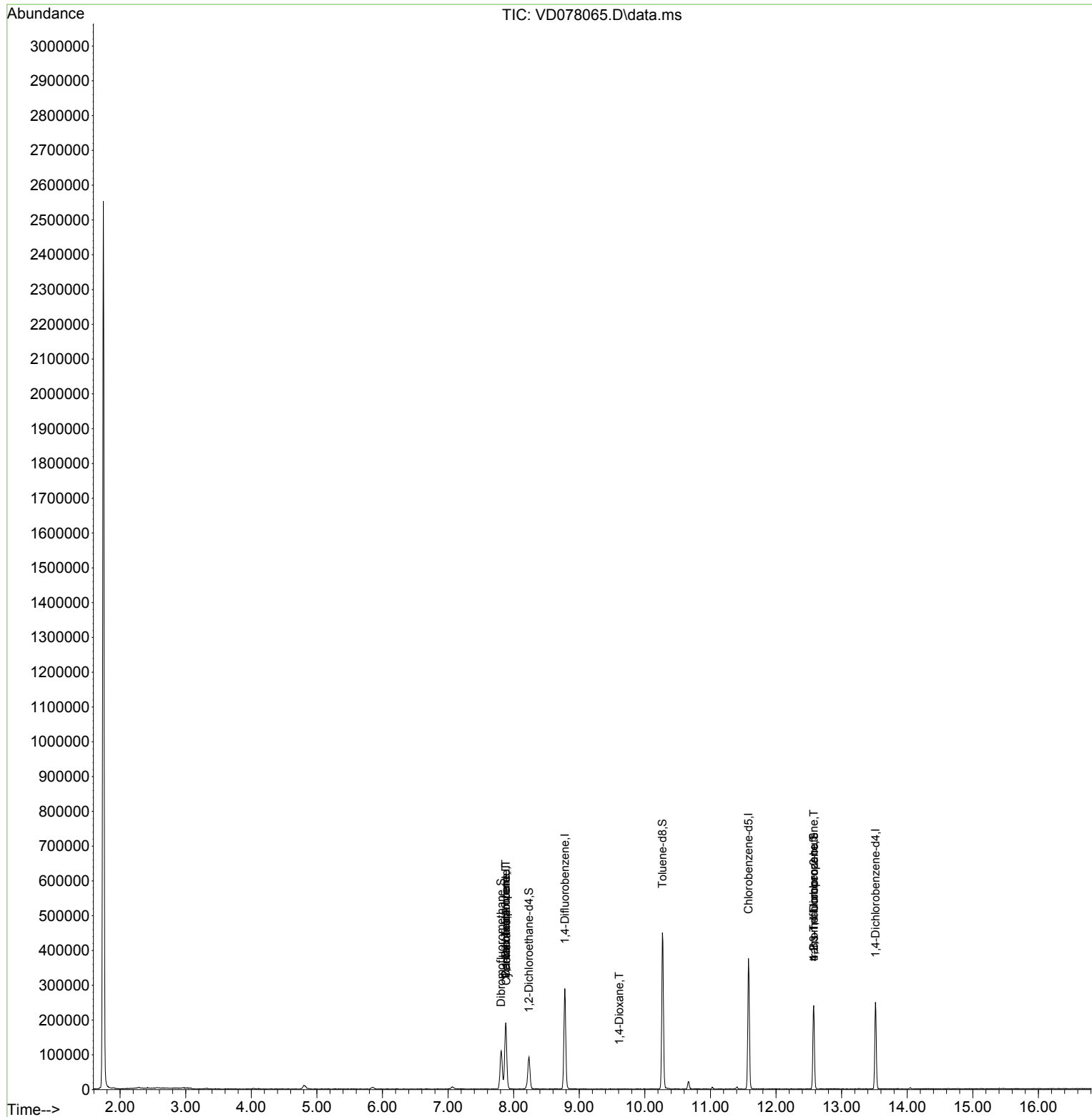
Internal Standards						
1) Pentafluorobenzene	7.881	168	143086	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	253797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69584	41.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.540%
35) Dibromofluoromethane	7.810	113	80420	45.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.480%
50) Toluene-d8	10.269	98	313720	44.061	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.120%
62) 4-Bromofluorobenzene	12.575	95	71328	33.507	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	56	Below Cal	#	1
16) Acetone	4.040	43	3020	Below Cal	#	59
20) Methylene Chloride	4.811	84	8397	Below Cal		88
25) 2-Butanone	7.081	43	551	Below Cal	#	37
31) Cyclohexane	7.887	56	3390	1.130	ug/l #	62
36) 1,1-Dichloropropene	7.881	75	12011	4.224	ug/l #	45
38) Carbon Tetrachloride	7.881	117	14616	5.156	ug/l #	16
49) 1,4-Dioxane	9.610	88	61	5.918	ug/l #	3
65) Chlorobenzene	11.581	112	172	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	36562	64.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	36562	131.657	ug/l #	18
88) 1,4-Dichlorobenzene	13.534	146	65	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.345	75	54	Below Cal	#	1

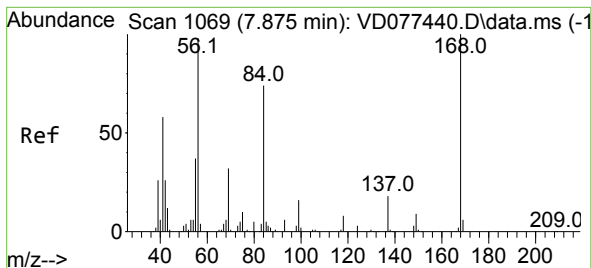
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Instrument :

MSVOA_D

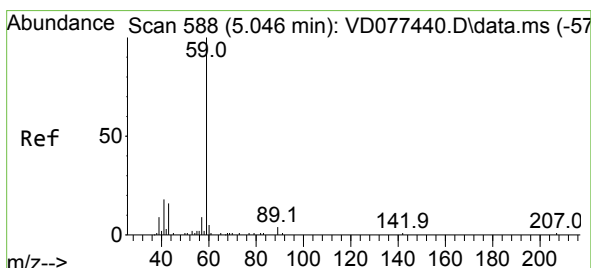
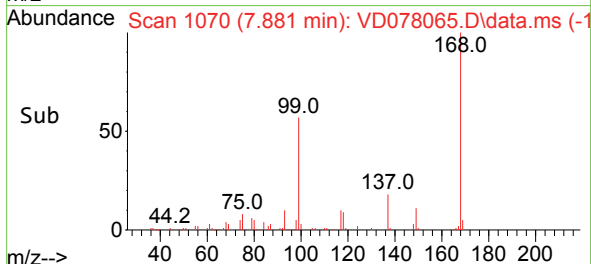
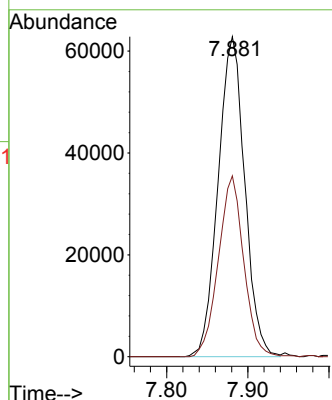
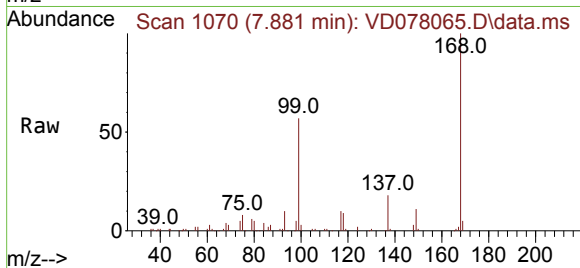
ClientSampleId :

Tgt Ion:168 Resp: 143086

Ion Ratio Lower Upper

168 100

99 56.5 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD078065.D

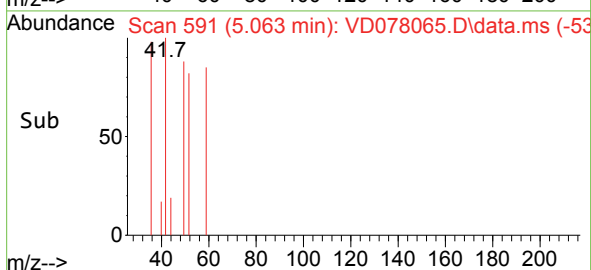
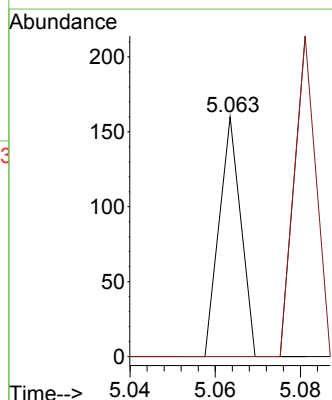
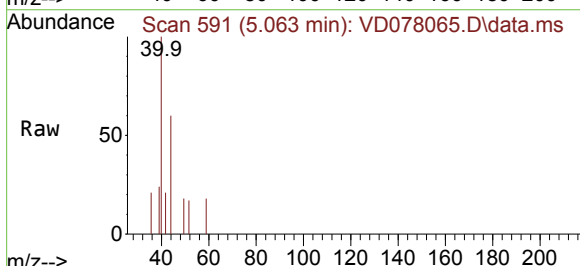
Acq: 22 Dec 2023 15:46

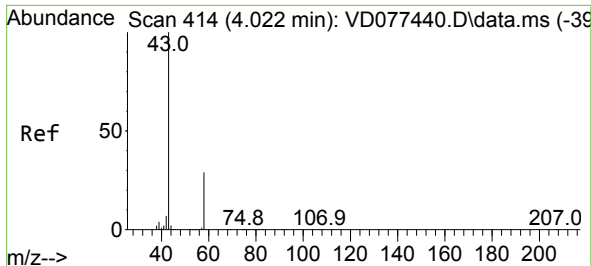
Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 253.6 7.8 11.8#

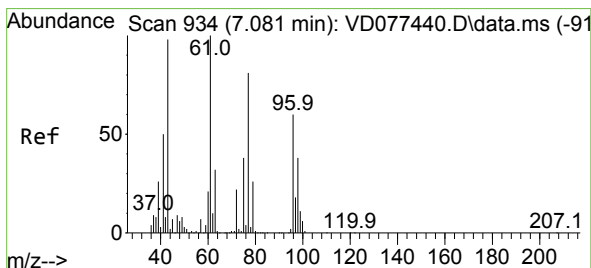
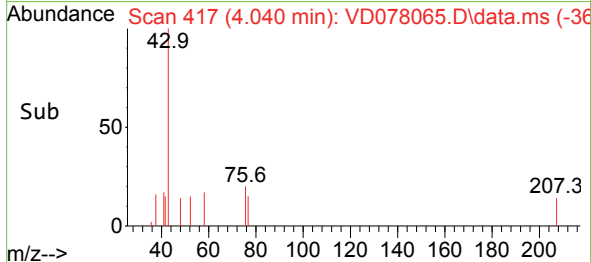
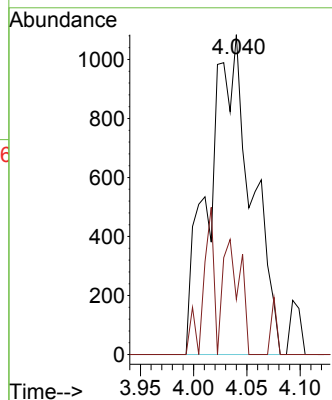
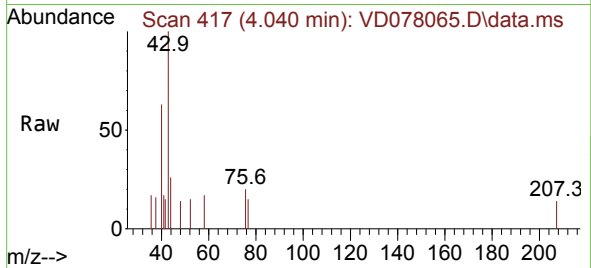




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

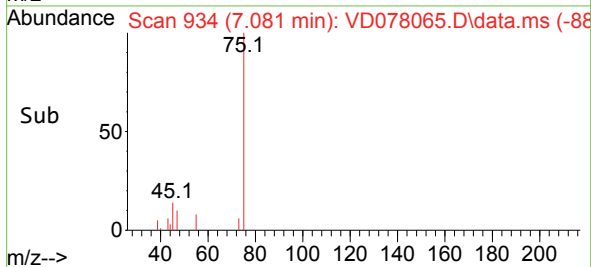
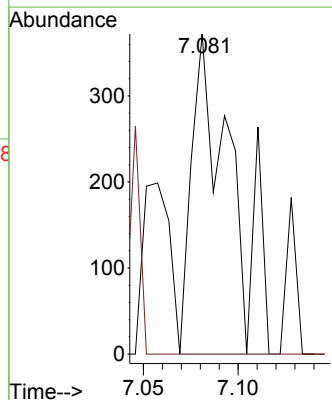
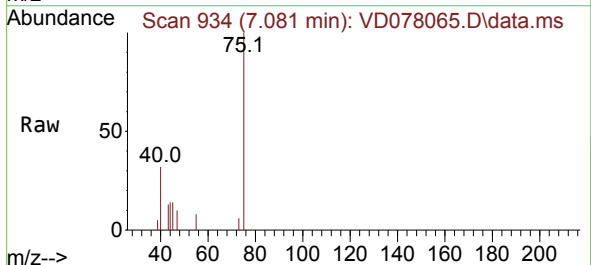
Instrument :
MSVOA_D
ClientSampleId :

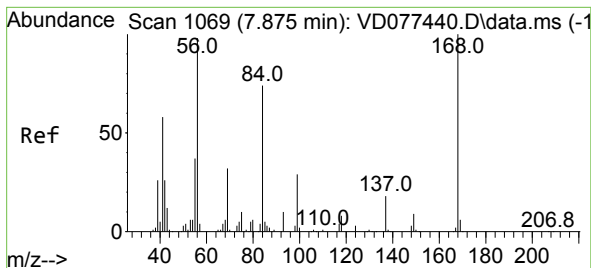
Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 17.3 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.887 min Scan# 1107

Delta R.T. 0.012 min

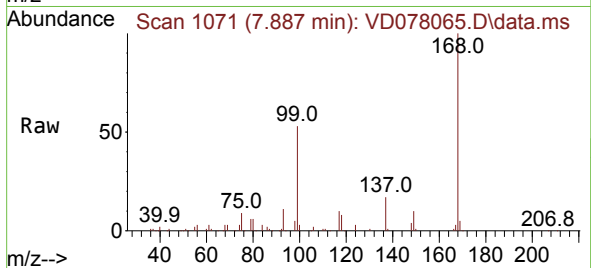
Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

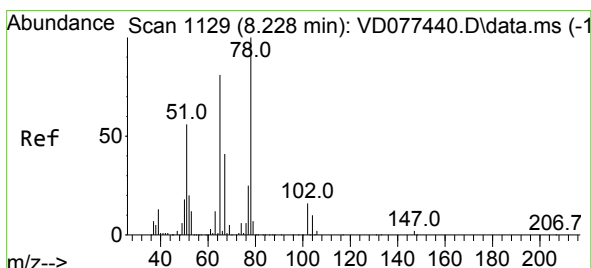
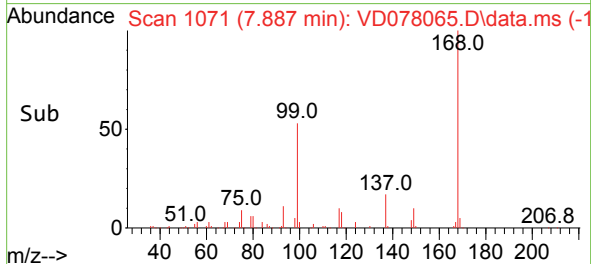
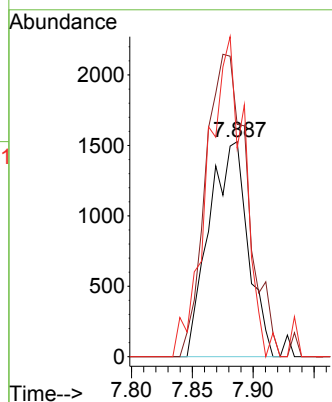
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	3390
Ion Ratio	Lower	Upper	
56	100		
69	108.1	28.6	43.0#
84	96.9	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 41.270 ug/l

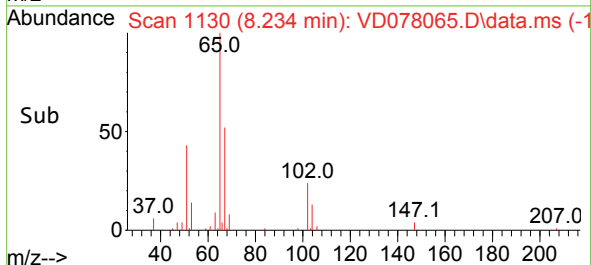
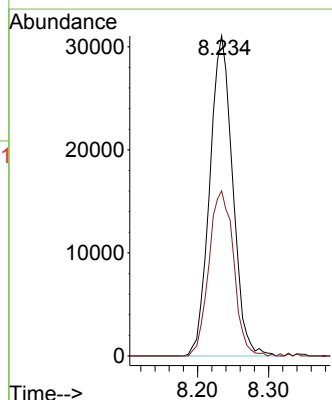
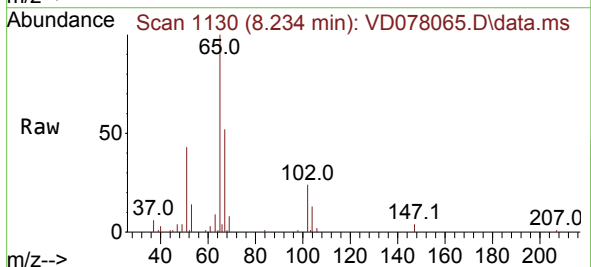
RT: 8.234 min Scan# 1130

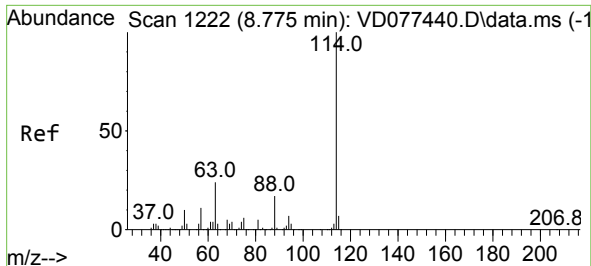
Delta R.T. 0.006 min

Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Tgt Ion:	65	Resp:	69584
Ion Ratio	Lower	Upper	
65	100		
67	55.4	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Instrument :

MSVOA_D

ClientSampleId :

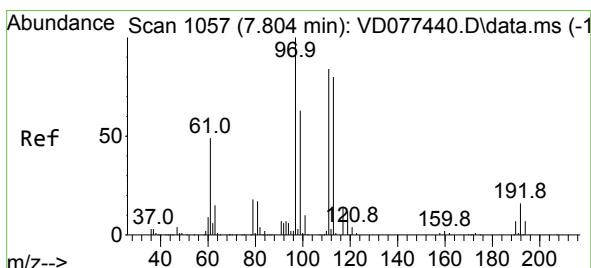
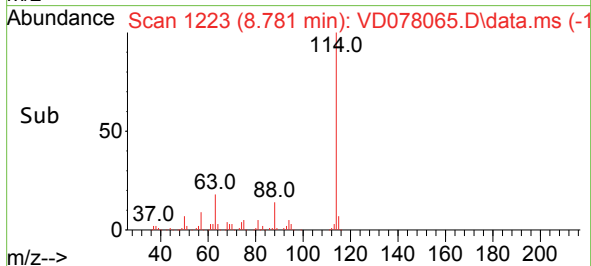
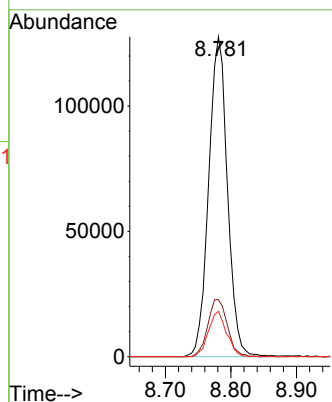
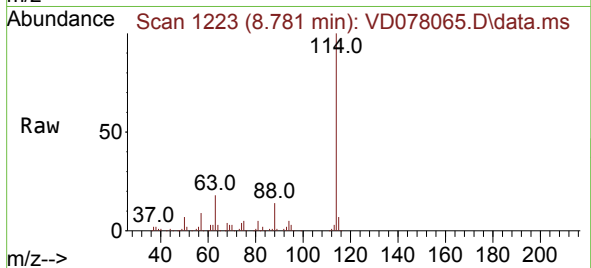
Tgt Ion:114 Resp: 253797

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.237 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

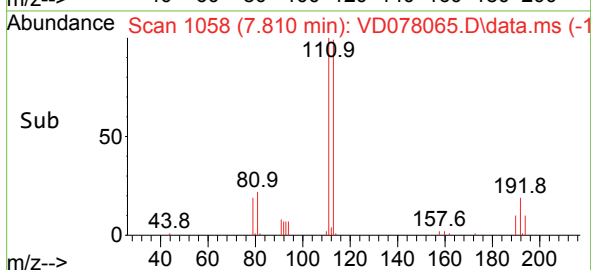
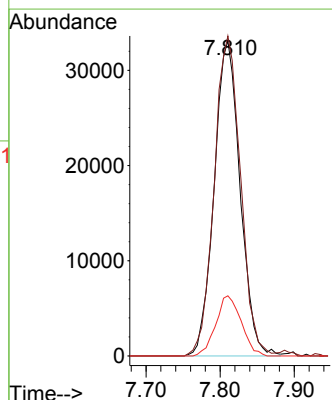
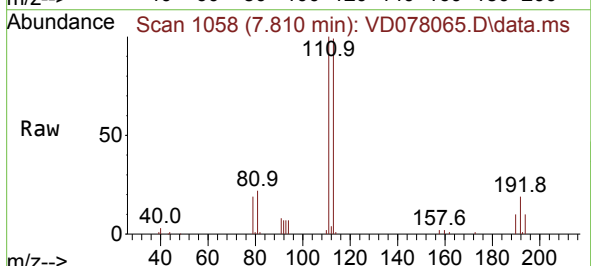
Tgt Ion:113 Resp: 80420

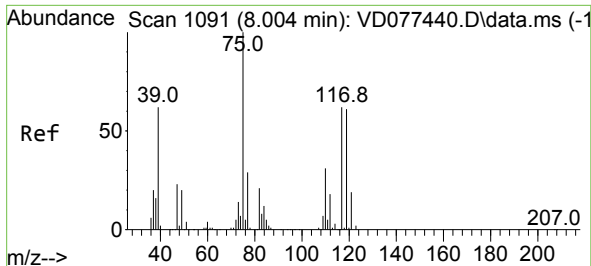
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

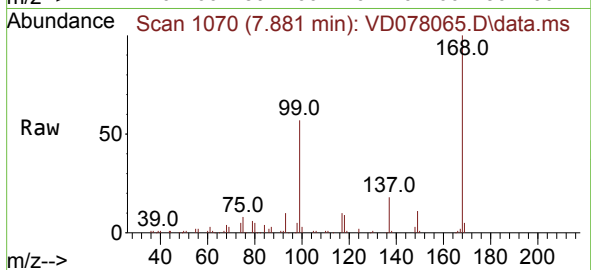
Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Instrument :

MSVOA_D

ClientSampleId :



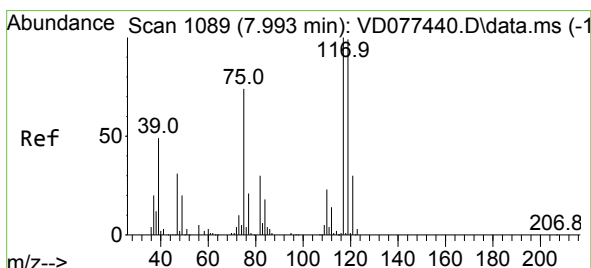
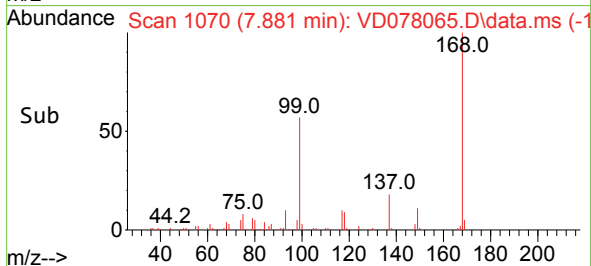
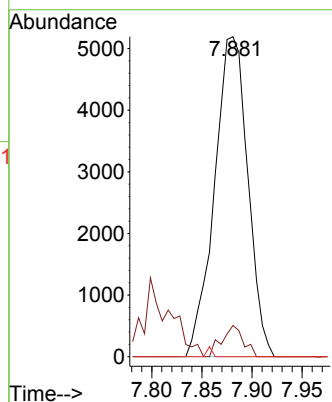
Tgt Ion: 75 Resp: 12011

Ion Ratio Lower Upper

75 100

110 6.2 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.156 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

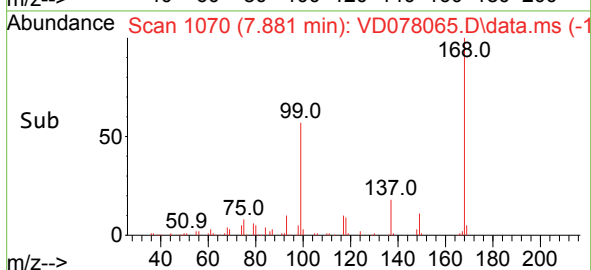
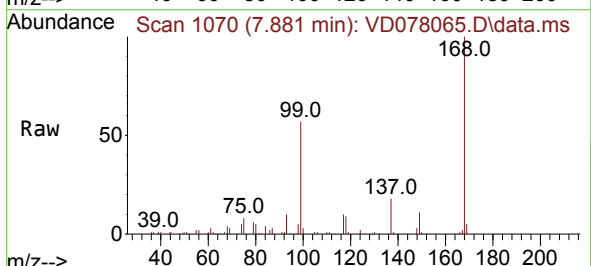
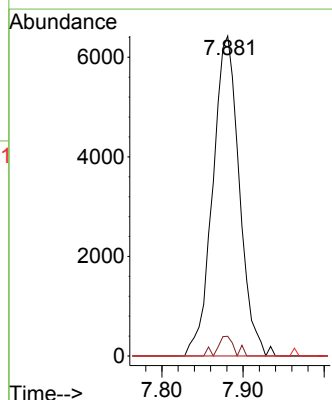
Tgt Ion: 117 Resp: 14616

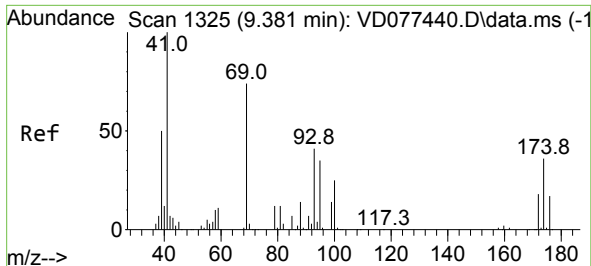
Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 5.918 ug/l

RT: 9.610 min Scan# 1364

Delta R.T. 0.229 min

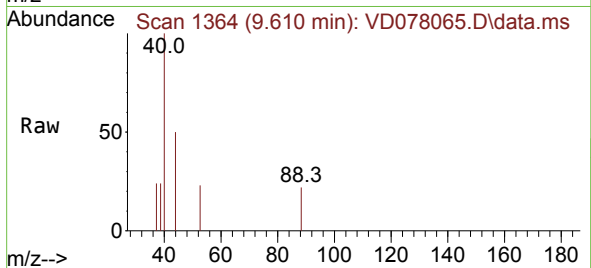
Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Instrument :

MSVOA_D

ClientSampleId :



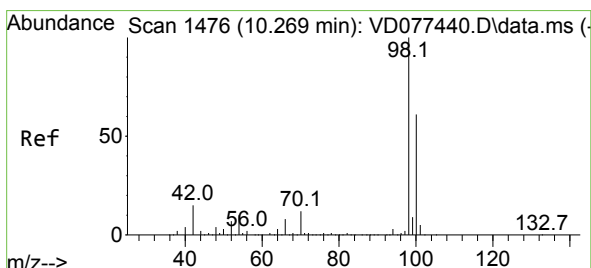
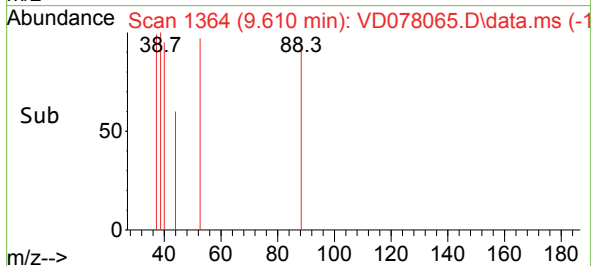
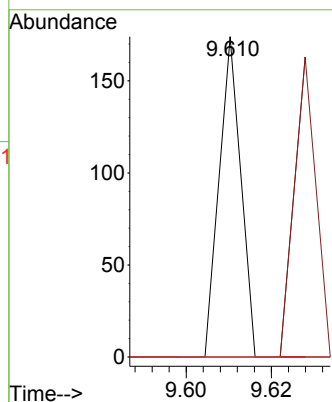
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 95.1 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 44.061 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078065.D

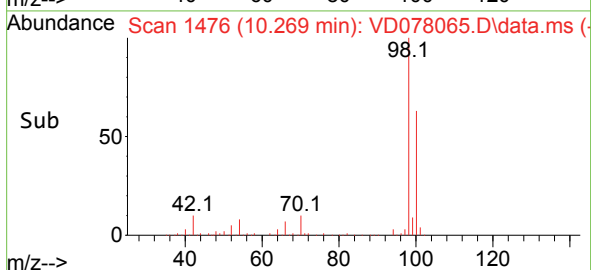
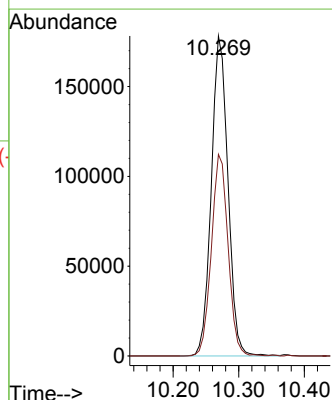
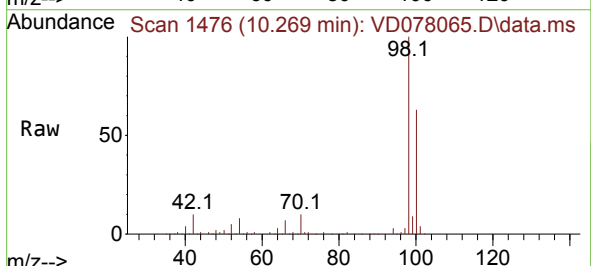
Acq: 22 Dec 2023 15:46

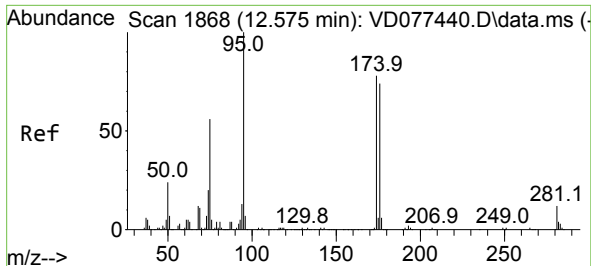
Tgt Ion: 98 Resp: 313720

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

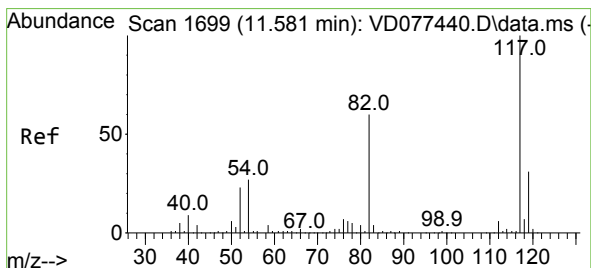
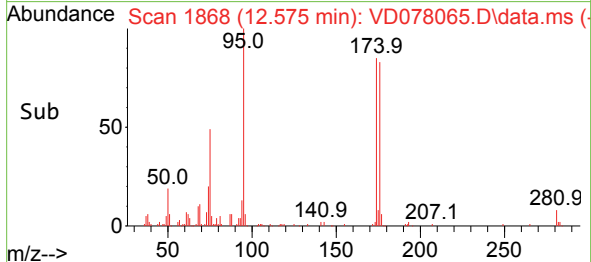
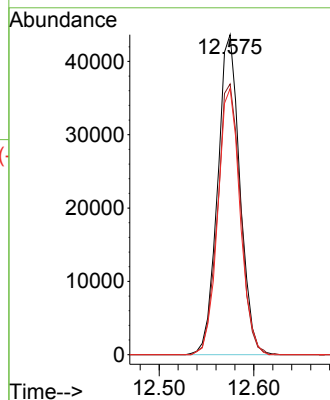
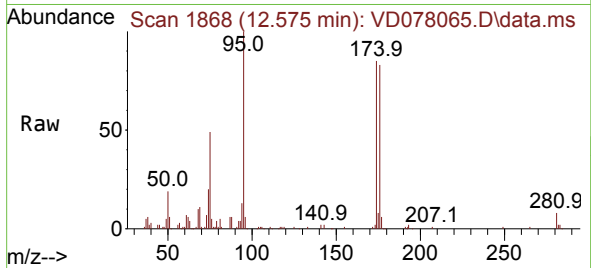




#62
4-Bromofluorobenzene
Concen: 33.507 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

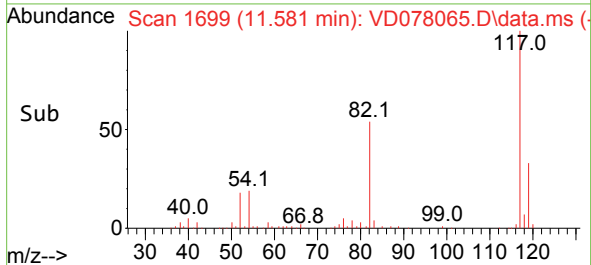
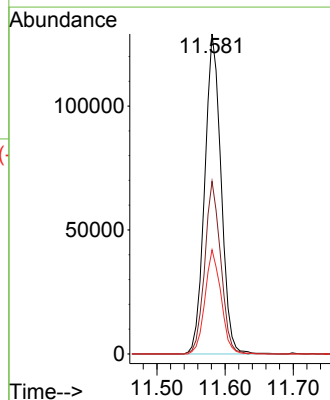
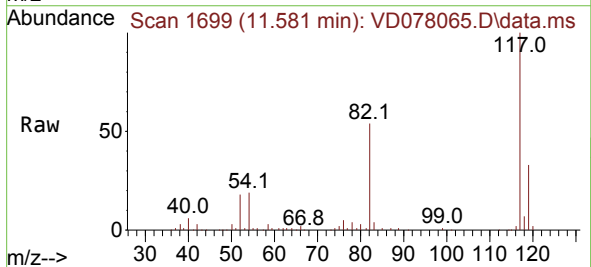
Instrument :
MSVOA_D
ClientSampleId :

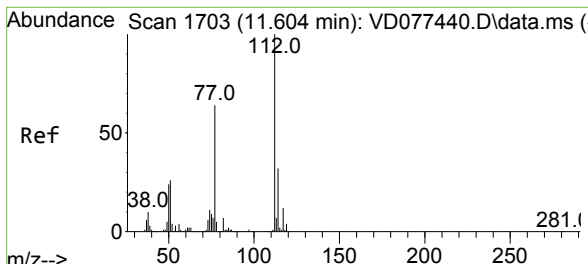
Tgt Ion: 95 Resp: 71328
Ion Ratio Lower Upper
95 100
174 86.9 0.0 201.8
176 83.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

Tgt Ion: 117 Resp: 215390
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 32.5 25.0 37.4

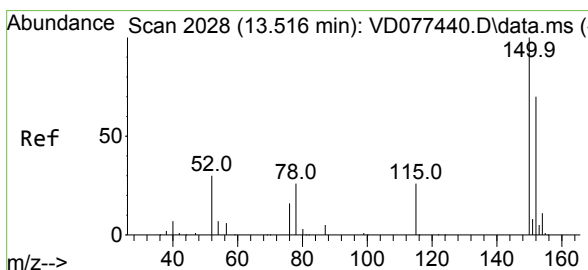
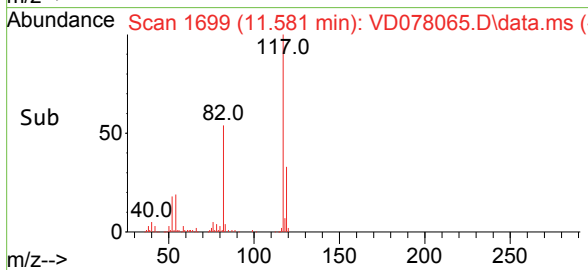
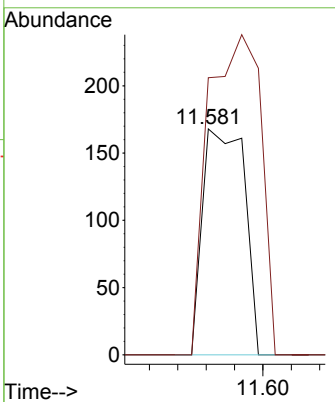
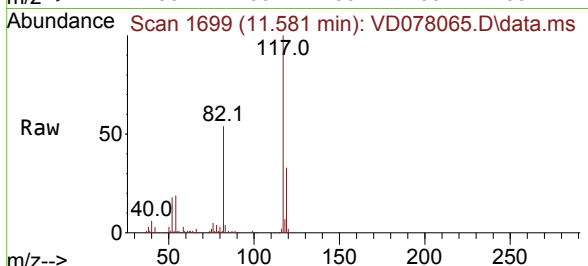




#65
 Chlorobenzene
 Concen: Below Cal
 RT: 11.581 min Scan# 1699
 Delta R.T. -0.023 min
 Lab File: VD078065.D
 Acq: 22 Dec 2023 15:46

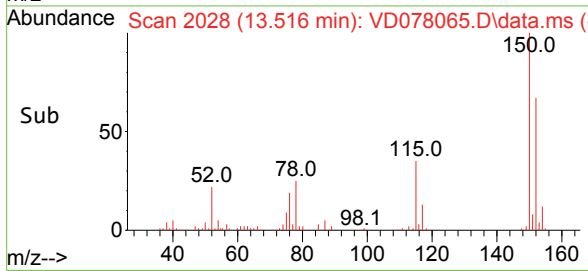
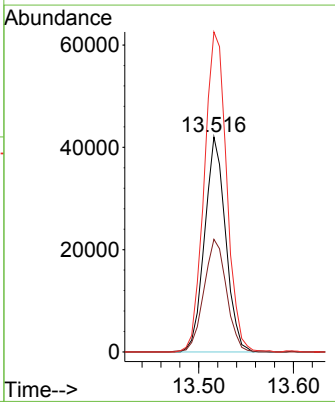
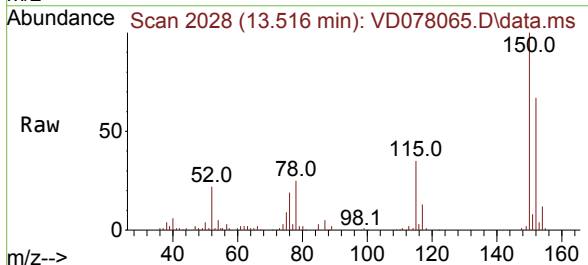
Instrument :
 MSVOA_D
 ClientSampleId :

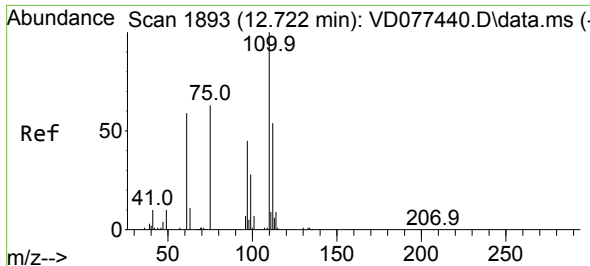
Tgt Ion:	112	Resp:	172
Ion Ratio	Lower	Upper	
112	100		
114	122.6	25.1	37.7#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD078065.D
 Acq: 22 Dec 2023 15:46

Tgt Ion:	152	Resp:	64784
Ion Ratio	Lower	Upper	
152	100		
115	56.4	27.1	81.3
150	158.6	0.0	353.6

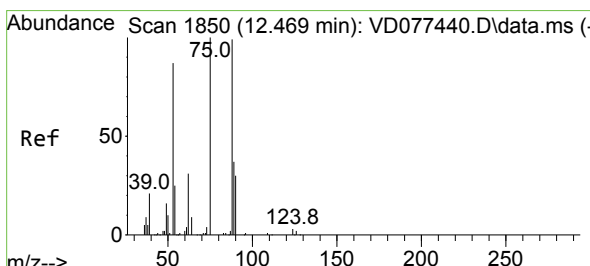
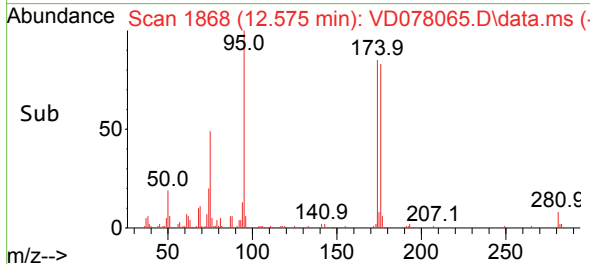
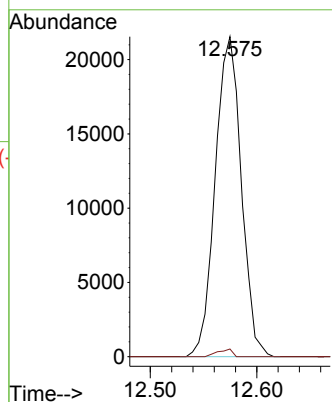
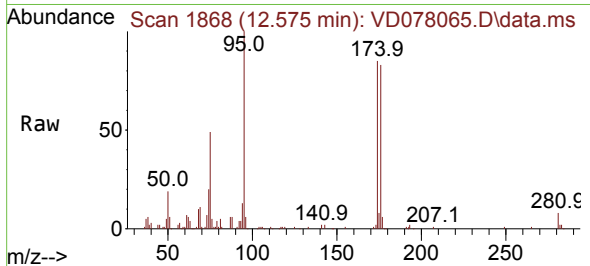




#76
1,2,3-Trichloropropane
Concen: 64.982 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

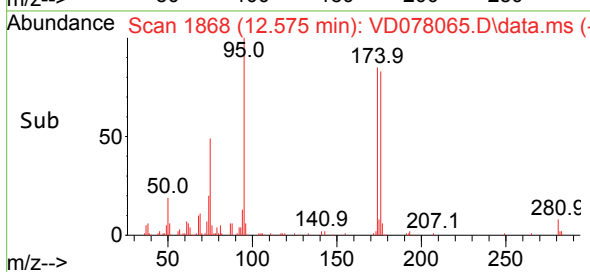
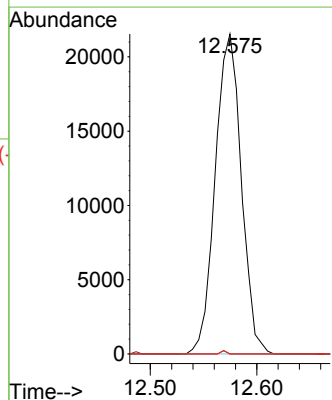
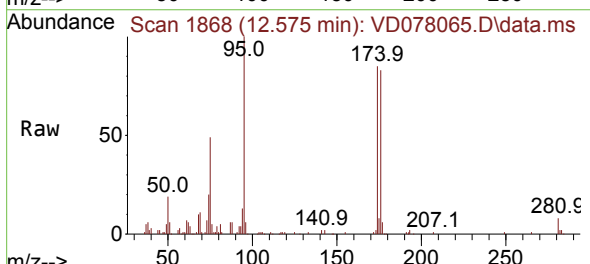
Instrument :
MSVOA_D
ClientSampleId :

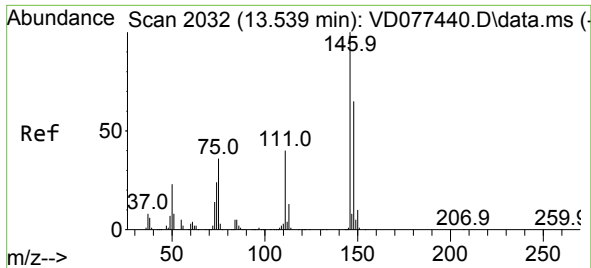
Tgt Ion: 75 Resp: 36562
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.657 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078065.D
Acq: 22 Dec 2023 15:46

Tgt Ion: 75 Resp: 36562
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.2 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.534 min Scan# 20

Delta R.T. -0.005 min

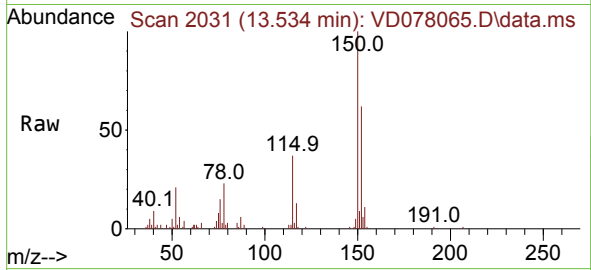
Lab File: VD078065.D

Acq: 22 Dec 2023 15:46

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:146 Resp: 65

Ion Ratio Lower Upper

146 100

111 1483.1 17.4 52.3#

148 1218.5 31.7 95.1#

